July 16, 2004

Hazardous, Toxic and Radioactive Waste
Center of Expertise

Chris Rigell
STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Dear Mr. Rigell:

This correspondence addresses the ongoing validation status of STL Knoxville of Knoxville, TN for the U.S. Army Corp of Engineers (USACE) for chemical analysis in support of the USACE Hazardous, Toxic and Radioactive Waste Program, by the addition of Dioxins and Furans by Method 8290.

Your laboratory is now validated for the parameters listed below:

| METHOD[1] | PARAMETERS | MATRIX[2] |
|---|---|---|
| 300.0/9056 | Anions[5] | Water[3] |
| 9010B/9012A | Cyanide | Water[3] |
| 8330 | Explosives[6] | Water |
| 8330 | Explosives | Solids[3] |
| 3520C/8081A | Organochlorine Pesticides | Water[3] |
| 3550B/8081A | Organochlorine Pesticides | Solids[3] |
| 3520C/8082 | Polychlorinated Biphenyls | Water[3] |
| 3550B/8082 | Polychlorinated Biphenyls | Solids[3] |
| 314.0 | Perchlorate | Water[3] |
| 314.0M | Perchlorate | Solids[3] |
| 3520C/8270C | Semivolatile Organics | Water[3] |
| 3550B/8270C | Semivolatile Organics | Solids[3] |
| 3005A/3010A/6010B/7470A | TAL Metals[4] | Water[3] |
| 3050B/6010B/7471A | TAL Metals[4] | Solids[3] |
| 5030B/5035/8260B | Volatile Organics | Water[3] |
| 5030B/5035/8260B | Volatile Organics | Solids[3] |
| 8290 | Dioxins/Furans | Water[3] |
| 8290 | Dioxins/Furans[6] | Solids |

Remarks:
1) Sample preparation methods have been added to reflect program policy change.
2) 'Solids' includes soils, sediments, and solid waste.

3) The laboratory has successfully analyzed a Proficiency Testing (PT) sample for this method/matrix.

4) TAL Metals: Aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

5) Anions: Chloride, fluoride, sulfate, nitrate, nitrite, and ortho-phosphate.

6) Approval for this parameter is based on review of SOP only.

Based on the successful analysis of the National Environmental Laboratory Accreditation Conference Proficiency Testing samples for the appropriate fields of testing, the results of the laboratory inspection, and your Corrective Action Report, your laboratory will be validated for sample analysis by the methods listed above. The evaluation, which was conducted for your facility, is based substantially on ISO Guide 25 (General Requirements for the Competence of Testing Laboratories) and USACE Engineering Manual (EM) 200-1-3, Appendix I (Shell for Analytical Chemistry Requirements). The period of validation has been previously established and expires on April 26, 2006.

The USACE reserves the right to conduct additional laboratory inspections or to suspend validation status for any or all of the listed parameters if deemed necessary. It should be noted that your laboratory may not subcontract USACE analytical work to any other laboratory location without the approval of this office. This laboratory validation does not guarantee the delivery of any analytical samples from a USACE Contracting Officer Representative.

Any questions or comments can be directed to Kevin Coats at (402) 697-2563. General questions regarding laboratory validation may be directed to the Laboratory Validation Coordinator at (402) 697-2574.

Sincerely,

Marcia C. Davies, Ph.D.
Director, USACE Hazardous,
Toxic and Radioactive Waste
Center of Expertise

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